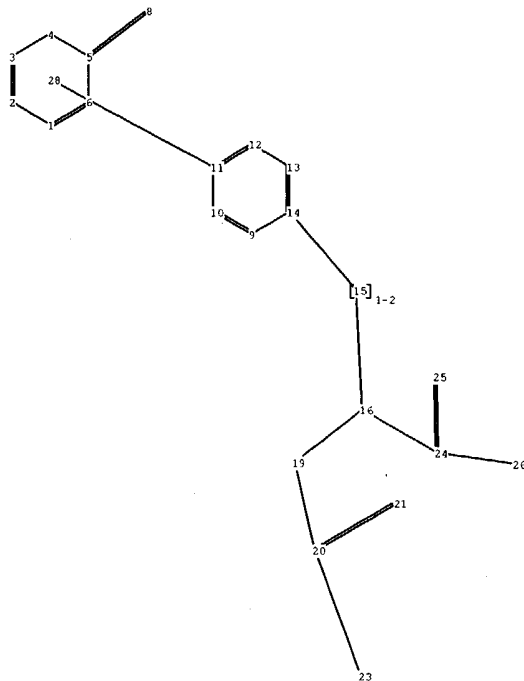
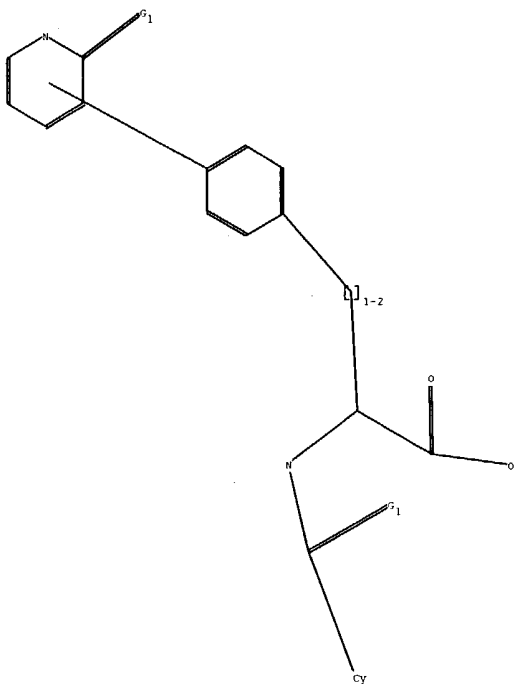


chain nodes :
 8 15 16 19 20 21 23 24 25 26
 ring nodes :
 1 2 3 4 5 6 9 10 11 12 13 14
 chain bonds :
 5-8 14-15 15-16 16-19 16-24 19-20 20-21 20-23 24-26 24-25
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14
 exact/norm bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-8 16-19 19-20 20-21 20-23 24-26 24-25
 exact bonds :
 14-15 15-16 16-24
 normalized bonds :
 9-10 9-14 10-11 11-12 12-13 13-14
 isolated ring systems :
 containing 1 : 9 :

G1:O,S

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 19:CLASS 20:CLASS 21:CLASS 23:Atom
 24:CLASS 25:CLASS 26:CLASS 28:CLASS



chain nodes :
8 15 16 19 20 21 23 24 25 26
ring nodes :
1 2 3 4 5 6 9 10 11 12 13 14
chain bonds :
5-8 14-15 15-16 16-19 16-24 19-20 20-21 20-23 24-26 24-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-8 16-19 19-20 20-21 20-23 24-26 24-25
exact bonds :
14-15 15-16 16-24
normalized bonds :
9-10 9-14 10-11 11-12 12-13 13-14
isolated ring systems :
containing 1 : 9 :

G1:O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 19:CLASS 20:CLASS 21:CLASS 23:Atom
24:CLASS 25:CLASS 26:CLASS 28:CLASS

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated
 and searchable
 NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
 CA/CAPLUS
 NEWS 5 FEB 05 German (DE) application and patent publication number format
 changes
 NEWS 6 MAR 03 MEDLINE and LMedline reloaded
 NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
 NEWS 8 MAR 03 FRANCEPAT now available on STN
 NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
 NEWS 10 MAR 29 WPIFV now available on STN
 NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
 NEWS 12 APR 26 PROMT: New display field available
 NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
 available
 NEWS 14 APR 26 LITAlert now available on STN
 NEWS 15 APR 27 NLDB: New search and display fields available
 NEWS 16 May 10 PROUSDDR now available on STN
 NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
 and June 2004
 NEWS 18 May 12 EXTEND option available in structure searching
 NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
 NEWS 20 May 17 FRFULL now available on STN
 NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004
 Conference
 NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent
 SDIs in CAPLUS
 NEWS 23 May 27 CAPLUS super roles and document types searchable in REGISTRY
 NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004

 NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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FILE 'HOME' ENTERED AT 17:36:03 ON 16 JUN 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:36:09 ON 16 JUN 2004
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STRUCTURE FILE UPDATES: 15 JUN 2004 HIGHEST RN 693773-36-3
DICTIONARY FILE UPDATES: 15 JUN 2004 HIGHEST RN 693773-36-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L1 STRUCTURE UPLOADED

=> 1

1 IS NOT A RECOGNIZED COMMAND

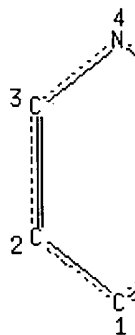
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For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 11

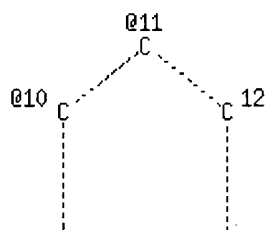
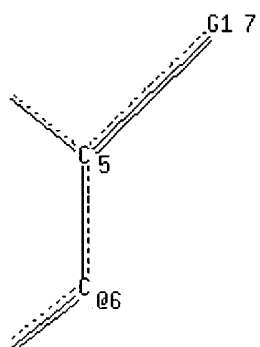
L1 HAS NO ANSWERS

L1 STR

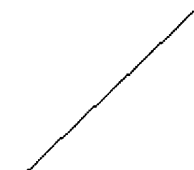
0 24 S 25



Page 1-A



Page 1-B



Page 2-A

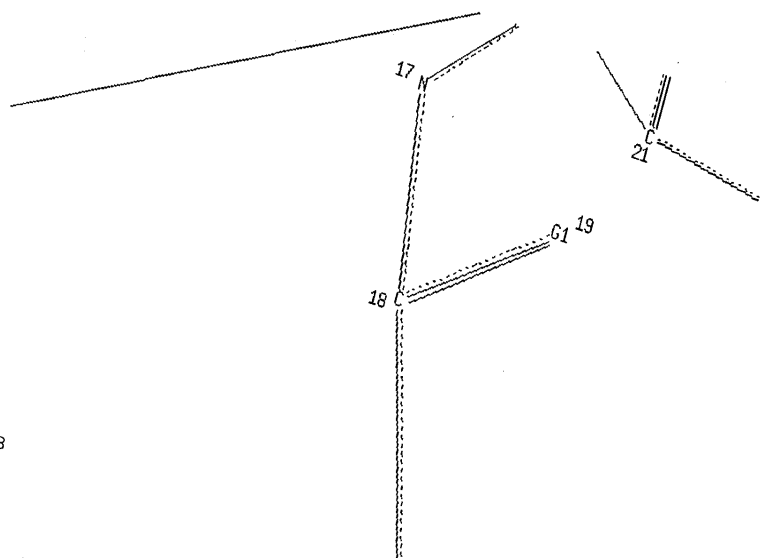


C 14



Page 2-B

Page 3-A



Page 3-B
0 23
Page 3-C

G20 16
Page 4-A

20

Page 4-B

VAR G1=24/25

REP G20=(1-2) 14-13 14-15

VPA 6-9/10/11 S

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS C	AT	14
NSPEC	IS C	AT	15
NSPEC	IS C	AT	16
NSPEC	IS C	AT	17
NSPEC	IS C	AT	18
NSPEC	IS C	AT	19
NSPEC	IS C	AT	20
NSPEC	IS C	AT	21
NSPEC	IS C	AT	22
NSPEC	IS C	AT	23

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 14 15 17 18 21 22 23 24 25

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 17:40:16 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 355 TO ITERATE

100.0% PROCESSED 355 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 5970 TO 8230

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 17:40:20 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 7084 TO ITERATE

100.0% PROCESSED 7084 ITERATIONS
 SEARCH TIME: 00.00.01

42 ANSWERS

L3 42 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

157.94

158.15

FILE 'HCAPLUS' ENTERED AT 17:40:24 ON 16 JUN 2004

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FILE COVERS 1907 - 16 Jun 2004 VOL 140 ISS 25

FILE LAST UPDATED: 15 Jun 2004 (20040615/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

L4 1 L2

=> d l4, ibib abs fhitr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
ACCESSION NUMBER:	2001:435046 HCAPLUS
DOCUMENT NUMBER:	135:33647
TITLE:	Preparation of pyridinyl phenylalanine derivatives
INVENTOR(S):	Kaplan, Gerald Lewis; Sidduri, Achyutharao; Tilley, Jefferson Wright
PATENT ASSIGNEE(S):	F. Hoffmann-La Roche A.-G., Switz.
SOURCE:	PCT Int. Appl., 97 pp.
	CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

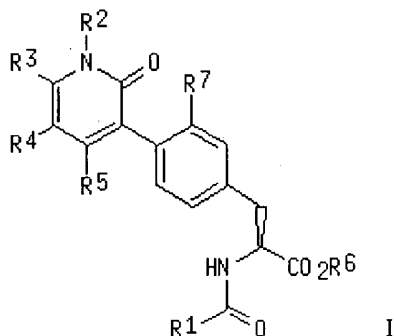
WO 2001042215 A1 20010614 WO 2000-EP11979 20001129
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DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 6388084 B1 20020514 US 2000-717684 20001121
BR 2000016172 A 20020820 BR 2000-16172 20001129
EP 1244625 A1 20021002 EP 2000-985117 20001129
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2003516392 T2 20030513 JP 2001-543516 20001129
NZ 518888 A 20040227 NZ 2000-518888 20001129
US 2002133015 A1 20020919 US 2002-59618 20020129
NO 2002002650 A 20020605 NO 2002-2650 20020605

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):
GI

MARPAT 135:33647

US 1999-169090P P 19991206
US 2000-245603P P 20001103
US 2000-717684 A3 20001121
WO 2000-EP11979 W 20001129



AB Pyridinyl phenylalanine derivs. I (R1 = substituted aryl, substituted 5 or 6 membered heteroarom. ring contg. N, O and S bonded via a carbon atom to the amide carbonyl, 3-7 membered ring substituted with alkyl, alkenyl, fluorinealkenyl, arylalkyl, heteroarylalkyl, azidoalkyl, cyanoalkyl, hydroxyalkyl, alkyl sulfonyl, alkyl sulfinyl; R2 = H, (un)substituted alkyl, aryl, or arylalkyl; R3 = H, halogen, alkyl, trifluoromethyl, or aryl; R4 = H, halogen, alkyl, or aryl; R5 = H, alkyl, alkoxy, trifluoromethyl, or aryl; R6 = H, alkyl, alkylcarbonyloxy, substituted aminoalkyl, substituted heterocyclalkyl; R7 = H, Cl, alkoxy, or alkyl) were prep'd. as inhibitors of the binding of VCAM-1 to VLA-4 and are useful in treating chronic inflammatory diseases. Thus, N-[(2-chloro-6-methylphenyl)carbonyl]-4-(5-chloro-1-methyl-2-oxo-3-pyridinyl)-L-phenylalanine (II) was prep'd. from N-[(1,1-dimethylethoxy)carbonyl]-4-iodo-L-phenylalanine Me ester in 5 steps via palladium catalyzed reaction with 3-bromo-5-chloro-1-methyl-2-pyridinone and coupling with 2-chloro-6-methylbenzoic acid. II showed antiinflammatory activity in vitro in the VCAM/VLA-4 screening assay (IC50 < 1 nM).

IT 343981-14-6P

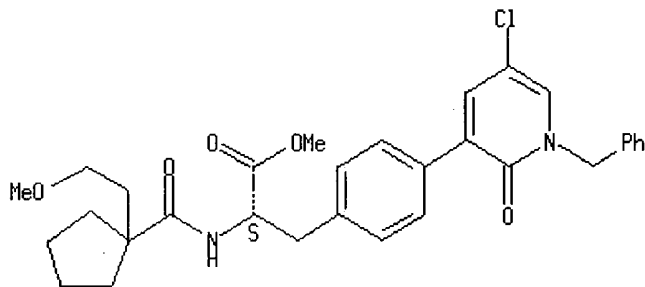
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU

(Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT
(Reactant or reagent); USES (Uses)
(prepn. of pyridinyl phenylalanine derivs. as anti-inflammatory agents)

RN 343981-14-6 HCAPLUS

CN L-Phenylalanine, 4-[5-chloro-1,2-dihydro-2-oxo-1-(phenylmethyl)-3-pyridinyl]-N-[[1-(2-methoxyethyl)cyclopentyl]carbonyl]-, methyl ester
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.48

167.63

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.69

-0.69

FILE 'CAOLD' ENTERED AT 17:41:40 ON 16 JUN 2004

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 17:36:03 ON 16 JUN 2004)

FILE 'REGISTRY' ENTERED AT 17:36:09 ON 16 JUN 2004

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 42 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:40:24 ON 16 JUN 2004

L4 1 S L2

FILE 'CAOLD' ENTERED AT 17:41:40 ON 16 JUN 2004

=> s 13

L5 0 L3

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

168.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.69

FILE 'REGISTRY' ENTERED AT 17:41:45 ON 16 JUN 2004

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STRUCTURE FILE UPDATES: 15 JUN 2004 HIGHEST RN 693773-36-3

DICTIONARY FILE UPDATES: 15 JUN 2004 HIGHEST RN 693773-36-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L6 STRUCTURE UPLOADED

=> 16

L6 IS NOT A RECOGNIZED COMMAND

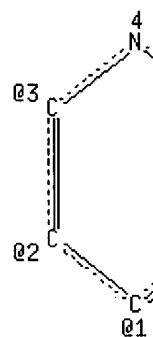
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=> d 16

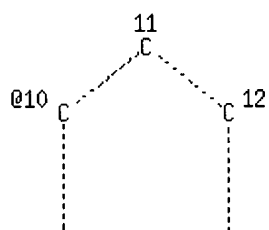
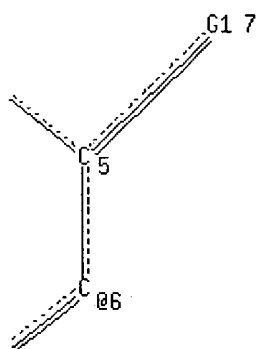
L6 HAS NO ANSWERS

L6 STR

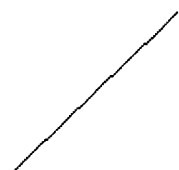
0 24 S 25



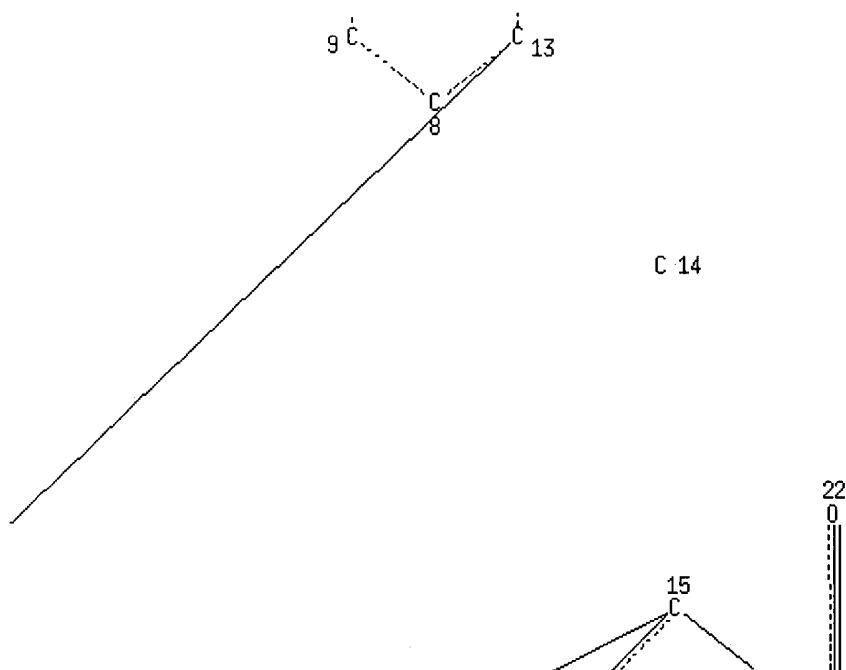
Page 1-A



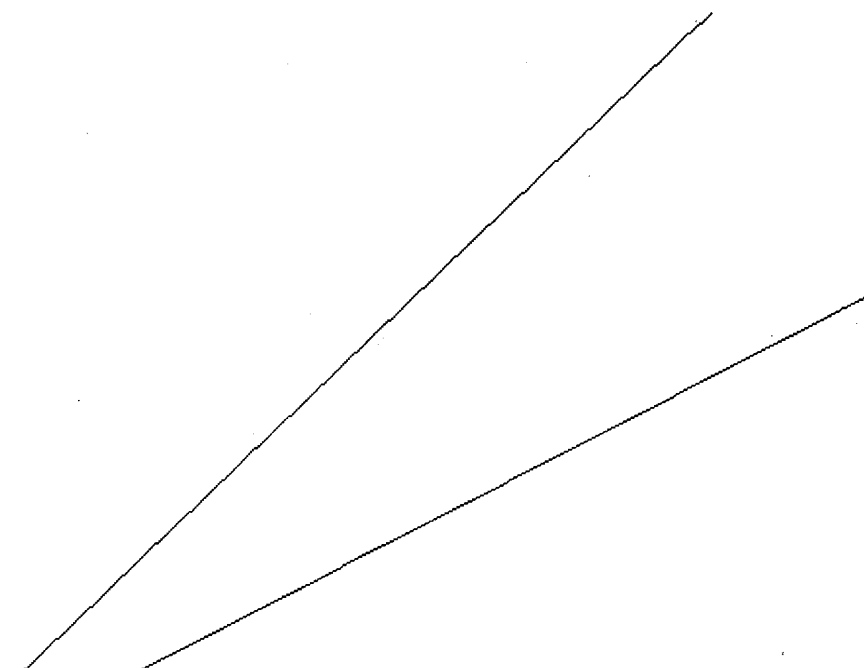
Page 1-B



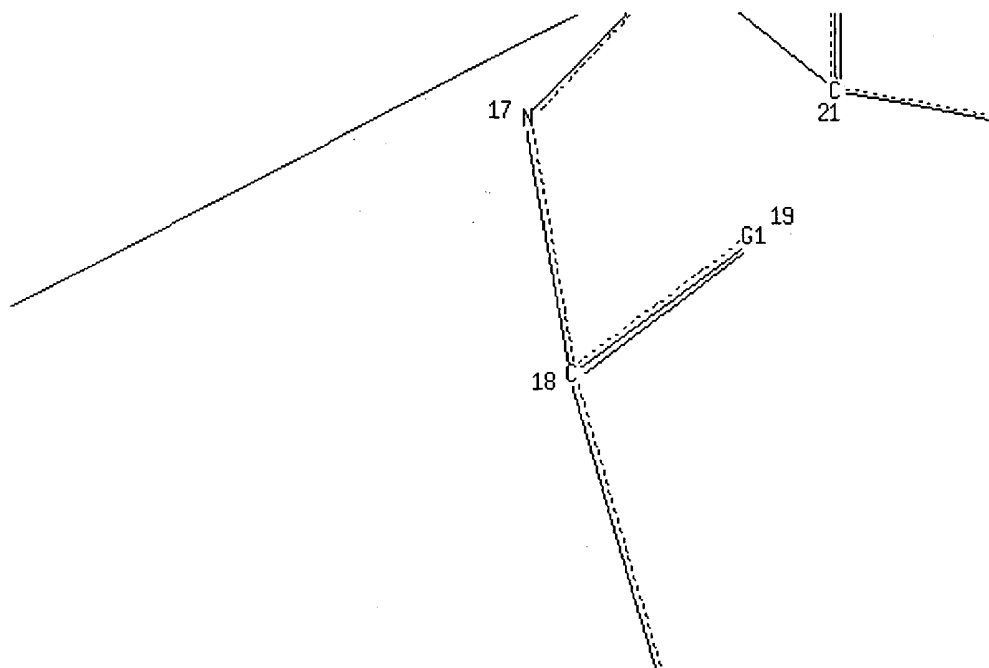
Page 2-A



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Page 3-A



Page 3-B

0 23

Page 3-C



Page 4-A



Page 4-B

VAR G1=24/25

REP G20=(1-2) 14-13 14-15

VPA 10-1/2/3/6 S

NODE ATTRIBUTES:

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NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS R	AT	8
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NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
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NSPEC	IS C	AT	14
NSPEC	IS C	AT	15
NSPEC	IS C	AT	16

NSPEC IS C AT 17
 NSPEC IS C AT 18
 NSPEC IS C AT 19
 NSPEC IS C AT 20
 NSPEC IS C AT 21
 NSPEC IS C AT 22
 NSPEC IS C AT 23
 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 14 15 17 18 21 22 23 24 25
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
 NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s 16

SAMPLE SEARCH INITIATED 17:42:42 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 355 TO ITERATE

100.0% PROCESSED 355 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 5970 TO 8230
 PROJECTED ANSWERS: 2 TO 124

L7 2 SEA SSS SAM L6

=> s 16 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 17:42:47 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 7084 TO ITERATE

100.0% PROCESSED 7084 ITERATIONS 42 ANSWERS
 SEARCH TIME: 00.00.01

L8 42 SEA SSS FUL L6

=> d his

(FILE 'HOME' ENTERED AT 17:36:03 ON 16 JUN 2004)

FILE 'REGISTRY' ENTERED AT 17:36:09 ON 16 JUN 2004

L1 STRUCTURE UPLOADED
 L2 2 S L1
 L3 42 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:40:24 ON 16 JUN 2004

L4 1 S L2

FILE 'CAOLD' ENTERED AT 17:41:40 ON 16 JUN 2004

L5 0 S L3

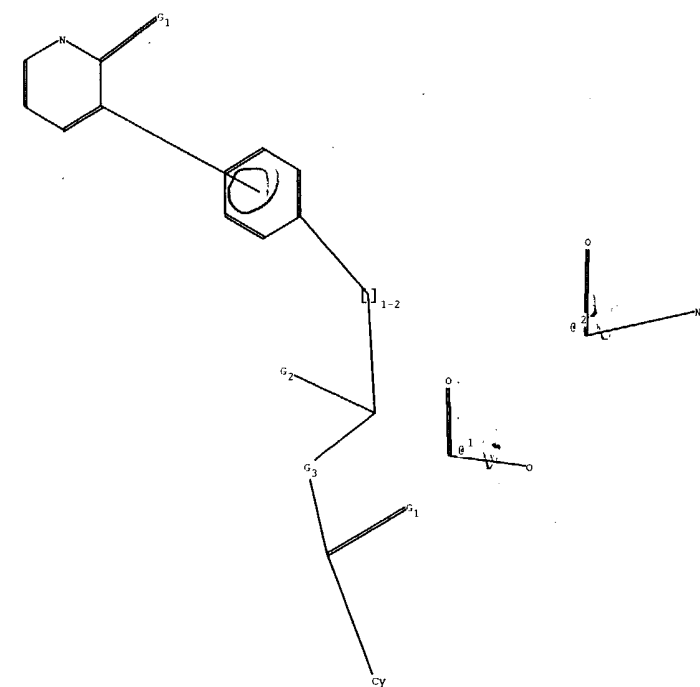
FILE 'REGISTRY' ENTERED AT 17:41:45 ON 16 JUN 2004

L6 STRUCTURE UPLOADED

L7 2 S L6
L8 42 S L6 FULL

=> s 18 not 13
L9 0 L8 NOT L3

=>



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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS 5 FEB 05 German (DE) application and patent publication number format changes
NEWS 6 MAR 03 MEDLINE and LMEADLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS 14 APR 26 LITALERT now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAPLUS
NEWS 23 May 27 CAPLUS super roles and document types searchable in REGISTRY
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:06:15 ON 16 JUN 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:06:22 ON 16 JUN 2004
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Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 15 JUN 2004 HIGHEST RN 693773-36-3
 DICTIONARY FILE UPDATES: 15 JUN 2004 HIGHEST RN 693773-36-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>
L1      STRUCTURE UPLOADED

=> 11
L1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 11
L1 HAS NO ANSWERS
L1      STR

=> s 11
SAMPLE SEARCH INITIATED 18:08:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5368 TO ITERATE

18.6% PROCESSED      1000 ITERATIONS                      1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   102968 TO 111752
PROJECTED ANSWERS:      1 TO      246

L2      1 SEA SSS SAM L1

=> s 11 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 18:08:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 108719 TO ITERATE

100.0% PROCESSED 108719 ITERATIONS                      42 ANSWERS
SEARCH TIME: 00.00.04
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L3 42 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

157.10

157.31

FILE 'HCAPLUS' ENTERED AT 18:09:04 ON 16 JUN 2004

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FILE COVERS 1907 - 16 Jun 2004 VOL 140 ISS 25

FILE LAST UPDATED: 15 Jun 2004 (20040615/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13/thu

2 L3

599383 THU/RL

L4

1 L3/THU

(L3 (L) THU/RL)

=> d 14, ibib abs fhitr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full
TextCiting
References

ACCESSION NUMBER: 2001:435046 HCAPLUS

DOCUMENT NUMBER: 135:33647

TITLE: Preparation of pyridinyl phenylalanine derivatives

INVENTOR(S): Kaplan, Gerald Lewis; Sidduri, Achyutharao; Tilley, Jefferson Wright

PATENT ASSIGNEE(S): F. Hoffmann-La Roche A.-G., Switz.

SOURCE: PCT Int. Appl., 97 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001042215	A1	20010614	WO 2000-EP11979	20001129

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,

JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6388084	B1	20020514	US 2000-717684	20001121
BR 2000016172	A	20020820	BR 2000-16172	20001129
EP 1244625	A1	20021002	EP 2000-985117	20001129

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2003516392	T2	20030513	JP 2001-543516	20001129
NZ 518888	A	20040227	NZ 2000-518888	20001129
US 2002133015	A1	20020919	US 2002-59618	20020129
NO 2002002650	A	20020605	NO 2002-2650	20020605

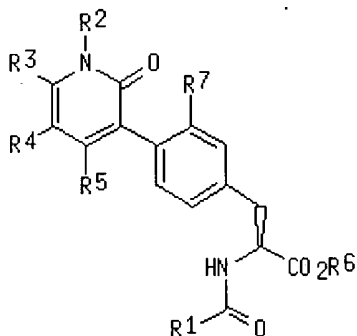
PRIORITY APPLN. INFO.:

US 1999-169090P	P	19991206
US 2000-245603P	P	20001103
US 2000-717684	A3	20001121
WO 2000-EP11979	W	20001129

OTHER SOURCE(S):
GI

MARPAT 135:33647

SN 09717684 = 638804
~~097169090~~ no
~~09245603~~ no



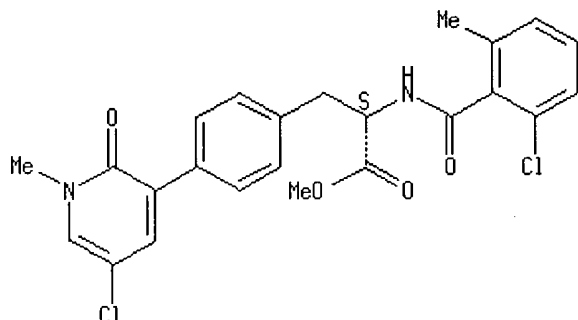
AB Pyridinyl phenylalanine derivs. I (R1 = substituted aryl, substituted 5 or 6 membered heteroarom. ring contg. N, O and S bonded via a carbon atom to the amide carbonyl, 3-7 membered ring substituted with alkyl, alkenyl, fluoroalkenyl, arylalkyl, heteroarylalkyl, azidoalkyl, cyanoalkyl, hydroxyalkyl, alkyl sulfonyl, alkyl sulfinyl; R2 = H, (un)substituted alkyl, aryl, or arylalkyl; R3 = H, halogen, alkyl, trifluoromethyl, or aryl; R4 = H, halogen, alkyl, or aryl; R5 = H, alkyl, alkoxy, trifluoromethyl, or aryl; R6 = H, alkyl, alkylcarbonyloxy, substituted aminoalkyl, substituted heterocyclylalkyl; R7 = H, Cl, alkoxy, or alkyl) were prepd. as inhibitors of the binding of VCAM-1 to VLA-4 and are useful in treating chronic inflammatory diseases. Thus, N-[(2-chloro-6-methylphenyl)carbonyl]-4-(5-chloro-1-methyl-2-oxo-3-pyridinyl)-L-phenylalanine (II) was prepd. from N-[(1,1-dimethylethoxy)carbonyl]-4-iodo-L-phenylalanine Me ester in 5 steps via palladium catalyzed reaction with 3-bromo-5-chloro-1-methyl-2-pyridinone and coupling with 2-chloro-6-methylbenzoic acid. II showed antiinflammatory activity in vitro in the VCAM/VLA-4 screening assay (IC50 < 1 nM).

IT 343981-05-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); THU (Therapeutic use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (prepn. of pyridinyl phenylalanine derivs. as anti-inflammatory agents)

RN 343981-05-5 HCAPLUS
 CN L-Phenylalanine, 4-(5-chloro-1,2-dihydro-1-methyl-2-oxo-3-pyridinyl)-N-(2-chloro-6-methylbenzoyl)-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.12	164.43
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.69	-0.69

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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 18:06:15 ON 16 JUN 2004)

FILE 'REGISTRY' ENTERED AT 18:06:22 ON 16 JUN 2004

L1 STRUCTURE UPLOADED
 L2 1 S L1
 L3 42 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 18:09:04 ON 16 JUN 2004

L4 1 S L3/THU

FILE 'CAOLD' ENTERED AT 18:09:34 ON 16 JUN 2004

=> s 13

L5 0 L3

=>